



(19)

01163049 A

(11) Publication number:

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: 62283062

(51) Int. Cl.: B29D 17/00 B29C 39/22 G11B 3/70 G11B
7/26

(22) Application date: 11.11.87

(30) Priority:

(43) Date of application
publication: 27.06.89(84) Designated contracting
states:

(71) Applicant: NIKKA ENG KK

(72) Inventor: TAKAHASHI SATOSHI

(74) Representative:

(54) DISK
MANUFACTURING
APPARATUS

(57) Abstract:

PURPOSE: To obtain a disk without using a disc base plate, by a method wherein an upper mold composed of a transparent plate and a stamper stand having a resin outflow port provided to the upper surface thereof are arranged in opposed relationship so as to be able to relatively approach and separate each other and a light

01163049 A

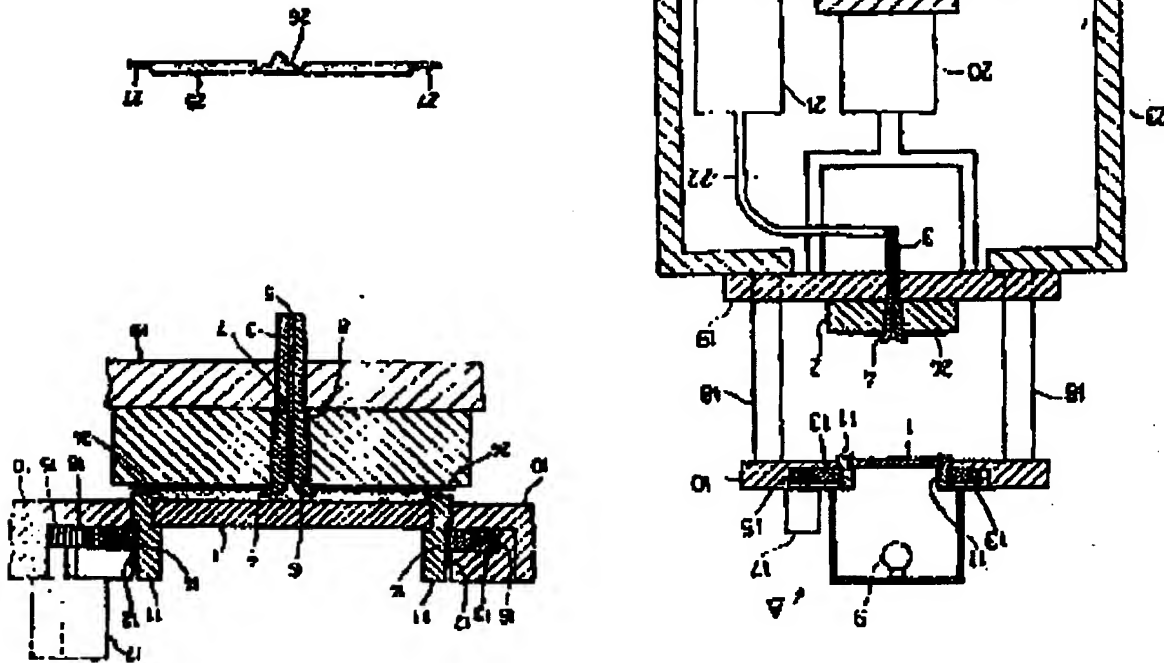
emitter is provided above the upper mold while the upper mold is made finely movable up and down with respect to the upper mold base for supporting the upper mold.

CONSTITUTION: An upper mold 1 is composed and engaged with a ring-shaped upper mold frame 11 made of a metal. A thread stripe 12 is formed to the outer periphery of the upper mold frame 11 and screwed with the thread stripe 14 on the inner peripheral surface of the rotary ring 13 incorporated in an upper mold base 10. A tooth shape 16 is formed to the outer peripheral surface of the rotary ring 13 to be meshed with a gear 15. When the gear 15 is rotated by operating a motor 17, the rotary ring 13 is rotated, and the upper mold frame 11 and the upper mold 1 are finely moved up and down by the action of the thread stripes 12, 14. An ultraviolet ray irradiation lamp 9 is provided above the upper mold 1. A resin passage 5 piercing in a length direction and opened upwardly at the upper end thereof is provided to the interior and the lower end thereof is connected to a resin feeder 15 and a hose 15. A resin upwardly flows out from one center place.

COPYRIGHT: (C)1989,JPO&Japio

8/23/2004

<https://www.delphion.com/cgi-bin/viewpat.cmd?JP01163049A2>



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.